

IN THE CLAIMS

Upon entry of the present amendment, the status of the claims will be as is shown below.

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A heating apparatus, comprising:

an exciting coil made-up of a plurality of windings of a conductor wire for generating a magnetic field;

a heating element that is heated by-means of electromagnetic induction through an action of the magnetic field; and

an abnormally high temperature detection section that detects that said heating element reaches an abnormally high temperature,

wherein: said heating element is made-up of a body of rotation which moves with respect to said exciting coil;

wherein said exciting coil is wound along the axial direction of the body of rotation and disposed so as to face the outer surface of the body of rotation; and

wherein said abnormally high temperature detection section is disposed on ~~the~~ a same side as said exciting coil with respect to said heating element and between conductor wires forming a winding bundles bundle of the conductor wire of said exciting coil.

2. (Currently Amended) The heating apparatus according to claim 1, further comprising:

at least one of a center core made of a ferromagnetic member disposed at a center position of the winding of the conductor wire of said exciting coil and a side core made of a ferromagnetic

member disposed on ~~the~~ an outer side of the winding bundle of the conductor wire of said exciting coil.

3. (Currently Amended) A heating apparatus, comprising:

an exciting coil made-up of a plurality of windings of a conductor wire for generating a magnetic field;

a heating element that is heated by ~~means of~~ electromagnetic induction through an action of the magnetic field;

an abnormally high temperature detection section that detects that said heating element reaches an abnormally high temperature; and

a center core made of a ferromagnetic member disposed at a center position of ~~the~~ a winding bundle of the conductor wire of said exciting coil,

wherein said abnormally high temperature detection section is disposed on ~~the~~ a side of the winding bundle of the conductor wire of said exciting coil, in an area interposed between said exciting coil and said center core.

4. (Currently Amended) A heating apparatus, comprising:

an exciting coil made-up of a plurality of windings of a conductor wire for generating a magnetic field;

a heating element that is heated by ~~means of~~ electromagnetic induction through an action of the magnetic field;

an abnormally high temperature detection section that detects that said heating element reaches an abnormally high temperature; and

a side core made of a ferromagnetic member disposed on ~~the~~ an outer side of ~~the~~ a winding bundle of the conductor wire of said exciting coil,
wherein said abnormally high temperature detection section is disposed on ~~the~~ a side of the winding bundle of the conductor wire of said exciting coil, in an area interposed between said exciting coil and said side core.

5. (Currently Amended) The heating apparatus according to claim 1, further comprising:
an opposed core disposed on ~~the~~ an opposite side of said exciting coil with respect to said heating element for forming a magnetic path.

6. (Previously Presented) The heating apparatus according to claim 1,
wherein the conductor wire of said exciting coil in the area where said abnormally high temperature detection section is disposed are parallel to each other in a longitudinal direction of said heating element.

7. (Currently Amended) The heating apparatus according to claim 1,
wherein the winding bundle of the conductor wire of said exciting coil is symmetric with respect to ~~the~~ a winding center of the conductor wire.

8. (Previously Presented) The heating apparatus according to claim 1,
wherein a flat-shaped thermal conductor is interposed between the conductor wires of said exciting coil in such a way that the plane of the thermal conductor is directed along the

winding direction of the conductor wire and heat is transmitted to said abnormally high temperature detection section through thermal conduction of the thermal conductor.

9. (Original) The heating apparatus according to claim 8,
wherein the thermal conductor is made of non-magnetic, highly thermal conductive metal.

10. (Currently Amended) The heating apparatus according to claim 1,
wherein said abnormally high temperature detection section is made up of at least one thermostat.

11. (Previously Presented) The heating apparatus according to claim 1,
wherein said abnormally high temperature detection section is disposed in an area facing a minimum heated area of said heating element that heats a heated body in a minimum size that can be heated.

Claim 12 (Cancelled)

13. (Currently Amended) The heating apparatus according to claim 3,
wherein said center core is disposed sideward apart from ~~the~~ a winding center of the conductor wire of said exciting coil and said abnormally high temperature detection section is disposed adjacent to said center core between said exciting coil and said center core.

14. (Previously Presented) A fixing apparatus that uses the heating apparatus according to claim 1 as a heating section of a heat-fixing section that heat-fixes an unfixed image formed on a recording medium.

15. (Original) An image forming apparatus that uses the fixing apparatus according to claim 14 as a heat-fixing section that heat-fixes an unfixed image formed on a recording medium.